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[File 351] **Derwent WPI** 1963-2007/UD=200743
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[File 345] **Inpadoc/Fam.& Legal Stat** 1968-2007/UD=200727
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**File 331: For patent family information, search also File 351, 352, or 350.*

[File 347] **JAPIO** Dec 1976-2007/Dec(Updated 070702)
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S1 3 S PN=JP 6219967

1/3,LS,AB/1 (Item 1 from file: 351)
Derwent WPI

0006916623
WPI Acc no: 1994-312661/
XRAM Acc no: C1994-141928
New peptide-lipid derivs. bound directly or via linker to lipid - useful for inhibiting mouse lung cancer cell line, 3LL cell adhesion by fibronectin
Patent Assignee: DDS KENKYUSHO KK (DDSK-N)
Inventor: ISHIKURA T; KANEKO H; KATO T; MURAHASHI N; NAGASO H; SASAKI A; TANAKA I
Patent Family: 2 patents, 1 countries

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
JP 6219967	A	19940809	JP 19939290	A	19930122	199439	B
JP 2579730	B2	19970212	JP 19939290	A	19930122	199711	E

Priority Applications (no., kind, date): JP 19939290 A 19930122

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
JP 6219967	A	JA	12	1		
JP 2579730	B2	JA	12	0	Previously issued patent	JP 06219967

Alerting Abstract JP A
Peptides contg. an amino acid sequence, Arg-Gly-Asp (RGD sequence) bound directly or via linker to lipid are new.
The exogenous peptides contg. RGD peptide can bind to cancer cells, competing with fibronectin, and inhibit intercellular adhesion by fibronectin. RGD sequence has been observed to suppress transfer of cancer cells (Humphries M.J., et al., Science, 2, 33, 467 (1986)).
USE - The liposome contg. RGD-lipid derivatives can be used for effectively inhibiting mouse lung cancer cell line, 3LL cell adhesion by fibronectin.

Basic Derwent Week: **199439**

1/3,LS,AB/2 (Item 1 from file: 345)
Inpadoc/Fam.& Legal Stat

Acc no: 11932139
Basic Patent (No,Kind,Date): JP 6219967 A2 19940809
No. of Patents: 002
PEPTIDE-LIPID DERIVATIVE AND LIPOSOME (English)
Patent Assignee: D D S KENKYUSHO KK
Author (Inventor): ISHIKURA TOYOAKI; SASAKI ATSUSHI; NAGASO HIROSHI; MURAHASHI NAOICHI; KATO TAKASHI; KANEKO HIDEO; TANAKA ISAO
IPC: *A61K-047/48; A61K-009/127; C07K-015/12
Language of Document: Japanese
Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date	
JP 6219967	A2	19940809	JP 939290	A	19930122	(BASIC)
JP 2579730	B2	19970212	JP 939290	A	19930122	

Priority Data (No,Kind,Date):
JP 939290 A 19930122

1/3,LS,AB/3 (Item 1 from file: 347)
JAPIO

04548067 **PEPTIDE-LIPID DERIVATIVE AND LIPOSOME**

Pub. No.: 06-219967 [**JP 6219967** A]
Published: August 09, 1994 (19940809)
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Application No.: 05-009290 [JP 939290]
Filed: January 22, 1993 (19930122)
Journal: Section: C, Section No. 1271, Vol. 18, No. 588, Pg. 131, November 10, 1994 (19941110)

ABSTRACT
PURPOSE: To provide a new peptide-lipid derivative useful as a metastasis- suppressing substance for cancer cell.

CONSTITUTION: A lipid is bonded directly or via a linker to a peptide containing a sequence composed of Arg-Gly-Asp. The total polymerization degree of the amino acids in the peptide is <=20 and the lipid to be used for the production of the peptide-lipid derivative is preferably cholesterol and 8-18C alkyl group. The bonding of the lipid to the peptide containing the Arg-Gly-Asp sequence can be carried out e.g. by reacting an amino group or a carboxyl group of a peptide with a cholesterol derivative or an alkyl group having a functional group capable of forming a covalent bond with the functional group of the peptide. A liposome can be prepared by compounding the peptide-lipid derivative.